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Cameron Park, California 95682
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February 7, 2005
Project No. 2029-2400-01

Mr. Barry Marcus
Sacramento County Environmental Management Department
8475 Jackson Road, Suite 230
Sacramento, CA 95826-3904

Subject: Water Supply Well Survey Report
Kwik Serv Fueling Station
2400 Fruitridge Road
Sacramento, California
LOP #G028

Dear Mr. Marcus:

On behalf of Mr. Bal Soin, Stratus Environmental, Inc. (Stratus) has prepared this *Water Supply Well Survey Report* for the Kwik Serv Fueling Station, located at 2400 Fruitridge Road, Sacramento, California (the site, Figure 1). On October 27, 2004, Stratus submitted a document titled *Subsurface Assessment Report and Case Closure Request*. The October 27, 2004 report documented the completion of a subsurface investigation to characterize petroleum hydrocarbon impact beneath the site. After reviewing the October 27, 2004 report, Sacramento County Environmental Management Department (SCEMD) requested that water supply well usage in the site vicinity be researched and reported. Stratus has completed the requested water supply well survey; information regarding known water supply well installations and usage in the site vicinity is provided in this document.

SITE DESCRIPTION

The subject site is an operating service station situated on the southeastern corner of the intersection of Fruitridge Road and 24th Street, in Sacramento, California (Figure 1). The existing fuel storage system consists of one 12,000-gallon gasoline and two 10,000-gallon gasoline underground storage tanks (USTs) located in the northwestern portion of the property. Five fuel dispensers with associated product lines are operated at the site, four in the north central region and one in the west central region of the site. Figure 2 depicts the approximate locations of the USTs, dispensers, and associated product lines. The site formerly operated as a Mobil Service Station 10-D5A prior to March 1992. The site also formerly operated as British Petroleum (BP Oil) Station 11173 subsequent to March 1992. A service station appears to have formerly operated at 2401 Fruitridge

Road, immediately north of the site. SCEMD does not have an oversight case for the property at 2401 Fruitridge Road.

BACKGROUND

The following was summarized from information obtained from SCEMD records, reports prepared by consultants representing previous service station operators, and work completed by Stratus. Former UST, soil boring, and monitoring well locations discussed in this section are illustrated on Figure 2.

Three USTs (10,000 gallon and 8,000-gallon tanks used to store regular unleaded gasoline, and one 6,000-gallon tank used to store premium unleaded gasoline) were removed from the site on June 29, 1987. These USTs were reportedly situated in the southwestern corner of the subject property. Total petroleum hydrocarbons as gasoline (TPHG) were apparently reported at concentrations up to 77 milligrams per kilogram (mg/Kg); sampling locations, analytical data tables, or certified analytical results were not located in the SCEMD records. An overexcavation was reportedly completed to remove hydrocarbon impacted soil in this area. Additional soil sampling supposedly confirmed that the hydrocarbon impacted soil was removed from this area.

A 250 gallon waste oil UST was removed from the site in July 1987. The waste oil UST was situated on the south side of the station building, and a 990 gallon waste oil UST was installed in the same general area at this time. Gravimetric waste oil as petroleum oil (200 mg/Kg) was detected in a soil sample collected within the former UST cavity area.

A groundwater monitoring well (MW-1) was installed immediately west of the former waste oil UST in October 1987. This well was later re-named EW-1 in 1992 by the consultant representing BP Oil. Well MW-1/EW-1 was sampled 16 times between October 1987 and August 1995. TPHG, and benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations were predominately reported below laboratory detection limits. TPHG and benzene were detected at maximum concentrations of 52 micrograms per liter ($\mu\text{g/L}$) and $0.98 \mu\text{g/L}$, respectively, for samples collected during this 8-year period. Total oil and grease (O&G) was reported in two samples collected from the well, at concentrations of $70 \mu\text{g/L}$ and $500 \mu\text{g/L}$.

Three soil borings (B-1 through B-3) were advanced to approximately 21.5 feet below ground surface (bgs) on October 19, 1990. Each boring was advanced within approximately 10 feet of the 990 gallon waste oil UST. O&G was apparently reported in samples collected from 6 feet bgs, at concentrations up to 530 mg/Kg. Soil samples collected from 11, 16, and 21 feet bgs were reportedly not impacted with O&G.

On December 18, 1991, the 990-gallon waste oil UST was removed from the site. An overexcavation was subsequently completed to remove hydrocarbon impacted soil in this

area. The dimensions of the excavation were approximately 23 feet in the east-west direction and 20 feet in the north-south direction. Soil immediately beneath the former waste oil UST was removed to approximately 15 feet bgs; soil around the perimeter of the former waste oil UST cavity was removed to approximately 7 feet bgs. The excavation was backfilled with pea gravel. The quantity of soil removed from the subsurface, and soil disposal information, is currently unknown.

Three additional groundwater monitoring wells (MW-1 through MW-3) were installed on October 19, 1992. Groundwater was encountered at approximately 41 feet bgs at this time. TPHG and benzene were not detected in groundwater samples collected from these wells between November 1992 and August 1995. Petroleum hydrocarbons were not detected in any of the samples collected from well borings MW-1 through MW-3. Radial groundwater flow, to the north, northeast, east, and southeast away from well MW-2, was consistently reported for monitoring events completed in 1994 and 1995.

MVP Petroleum Engineers, Inc. (MVP) removed one 550-gallon fiberglass waste oil UST and replaced five fuel dispensers with associated product piping, on behalf of Kwik Serv, in December 2002, and January 2003. The former waste oil UST was situated in the same general area as the previous waste oil USTs. This fiberglass waste oil UST appeared to be in good condition. Compliance samples were not collected beneath the former waste oil UST due to extensive pea gravel in the excavation.

Analytical results from soil samples collected beneath the dispenser islands and along the product lines in December 2002, indicated petroleum hydrocarbons were present beneath the western dispenser island at depths of 3 to 4.5 feet bgs, and in the piping trench leading to the western dispenser island at a depth of 3 feet bgs. Low concentrations of petroleum hydrocarbons were also detected along the other product lines that supply the north central fuel dispensers at a depth of 3 feet bgs. TPHG was reported at a maximum concentration of 2,400 mg/Kg at 4.5 feet bgs beneath the western dispenser island. The fuel additive methyl tertiary butyl ether (MTBE) was reported beneath the western dispenser and along the associated product lines at a maximum concentration of 20 mg/Kg.

Stratus oversaw the advancement of six exploratory soil borings (B-1 through B-6) on-site between August 16 and 18, 2004, to further characterize subsurface petroleum hydrocarbon impact beneath the site. Groundwater was encountered at approximately 29 feet bgs at the time of this investigation. Fuel-based petroleum hydrocarbon concentrations were reported below laboratory detection limits for all soil samples collected from the borings. MTBE was detected in groundwater samples collected from three of the soil borings, at concentrations ranging from 0.98 µg/L to 12 µg/L.

WATER SUPPLY WELL SURVEY

Stratus has reviewed copies of Well Completion Reports on file with the California Department of Water Resources (DWR) for the area within approximately 2,000 feet of the site. Copies of these DWR Well Completion Reports are attached in Appendix A. Well construction information are summarized on Table 1, and approximate well locations are illustrated on Figure 3.

Stratus canvassed the area located within an approximate 500-foot radius of the site to attempt to locate water supply wells in the immediate site vicinity on January 5, 2005. Stratus also canvassed James Mangan Park to attempt to locate water supply wells. Water supply wells were not located in these areas.

The nearest known municipal water supply well (well B on Figure 3) is situated within the City of Sacramento Corporation yard, near the intersection of 24th Street and 38th Avenue, approximately 2,100 feet south of the site. This well is screened from approximately 282 to 285 feet bgs, 321 to 324 feet bgs, 356 to 362 feet bgs, and 380 to 406 feet bgs and appears to be in use.

A municipal water supply well (well C on Figure 3) appears to have been installed on the property immediately west of the site in 1952. This well was not identified during a reconnaissance of the property; the area has been re-developed as a strip mall following the time of well installation. Well destruction or decommissioning information regarding this well was not located.

The City of Sacramento currently supplies municipal water to the area surrounding the site. During the 1950's, a significant number of domestic wells (18 well completion reports were located) were installed in the area surrounding the site, primarily east of the Western Pacific Railroad tracks, approximately 1,200 to 2,000 feet east and northeast of the site. Given the distance from the site and the current municipal water service in this area, Stratus did not attempt to locate or verify usage of these domestic wells.

DISCUSSION

The only water supply well identified during the DWR records review and field reconnaissance, known to be currently in use, is situated approximately 2,100 feet south of the site and screened below 282 feet bgs. Given the very low MTBE concentrations reported in recently collected groundwater samples, and the distance from the site and screening interval of the only known active water supply well in the site vicinity, potential sensitive receptors appear unlikely to be exposed to any dissolved phase petroleum hydrocarbons that may be present beneath the site.

LIMITATIONS

This report was prepared in general accordance with accepted standards of care that existed at the time this work was performed. No other warranty, expressed or implied, is made. Conclusions and recommendations are based on field observations and data obtained from this work and previous investigations. It should be recognized that definition and evaluation of geologic conditions is a difficult and inexact art. Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the subsurface conditions present. More extensive studies may be performed to reduce uncertainties. This report is solely for the use and information of our client unless otherwise noted.

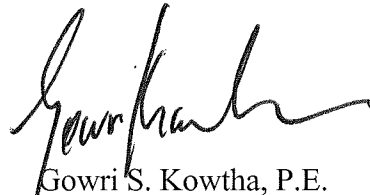
If you have any questions or comments concerning this document, please contact Gowri Kowtha at (530) 676-6001.

Sincerely,

STRATUS ENVIRONMENTAL, INC.



Scott G. Bittinger, R.G.
Project Geologist



Gowri S. Kowtha, P.E.
Project Manager

Attachments:	Table 1	Water Supply Well Survey Results
	Figure 1	Site Location Map
	Figure 2	Site Plan
	Figure 3	Water Supply Well Location Map
	Appendix A	DWR Well Completion Forms

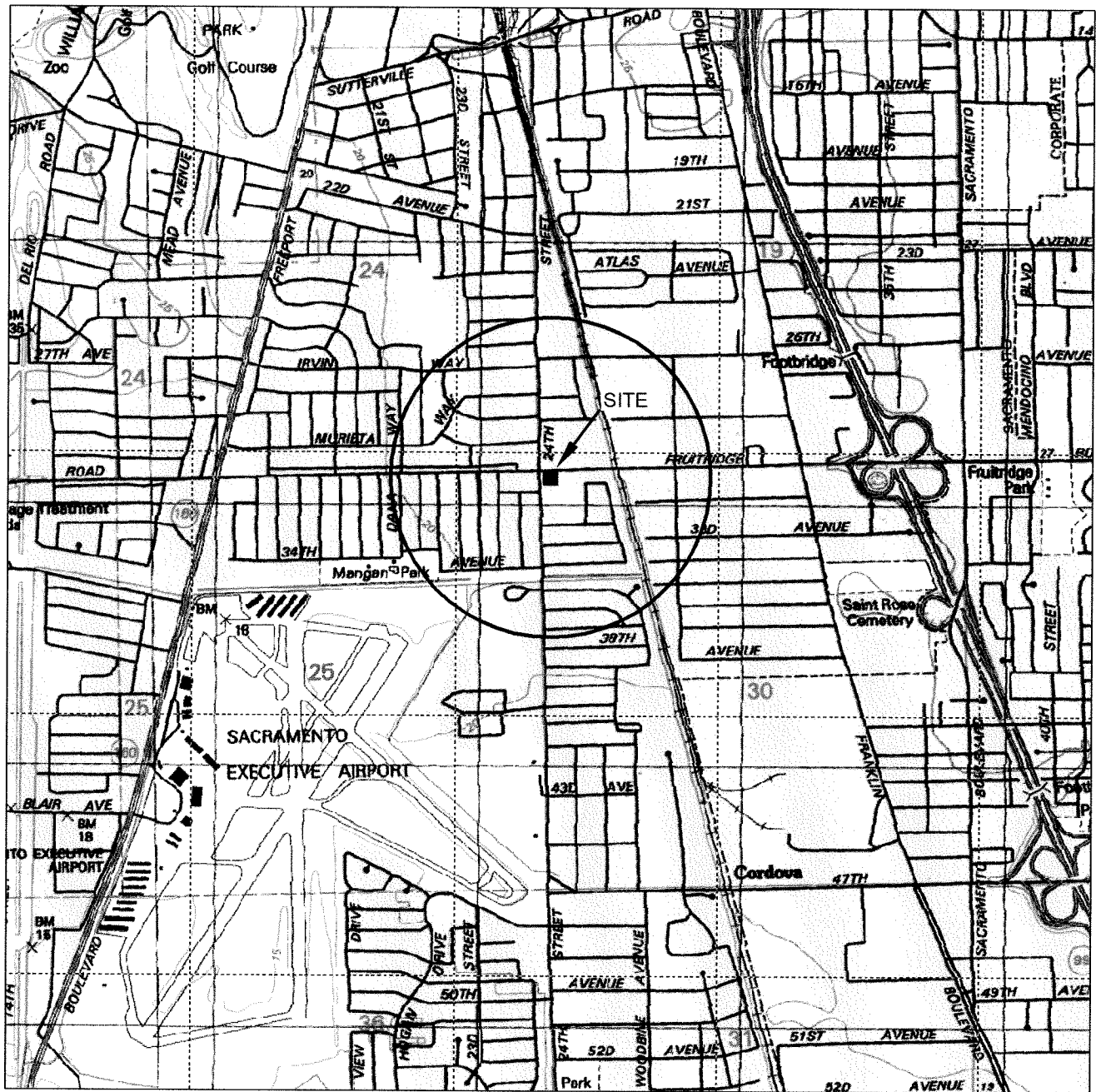
cc: Mr. Bal Soin, Kwik Serv Fueling Station
Ms. Christyl Escarda, Central Valley Regional Water Quality Control Board

TABLE 1
WATER WELL SURVEY RESULTS
KWIK SERV FUELING STATION
2400 FRUITRIDGE ROAD, SACRAMENTO, CA

WELL ID	OWNER	LOCATION	USE	CAPACITY (GPM)	TOTAL DEPTH (FEET BGS)	SCREEN INTERVAL (FEET BGS)	SANITARY SEAL
A	Miller and Catler	24th St. & 29th Ave.	unknown	unknown	unknown	unknown	unknown
B	City of Sacramento	West of 24th St., at 38th Ave.	municipal	1,655	418	282-285 321-324 356-362 380-406	yes
C	City of Sacramento	SW of Fruitridge & 24th St.	municipal	800	236	197-201 220-230	unknown
D	Sierra Builders	1800 ft south of Fruitridge, 1000 feet east of 24th St.	industrial	1,911	256	224-240	unknown
E	David Filippe	2720 26th Avenue	domestic	unknown	61	open bottom	cased to 61'
F	Robert Grosz	2771 29th Avenue	domestic	unknown	88	open bottom	cased to 88'
G	Carl Pfeiffer	5405 28th Street	domestic	unknown	79	open bottom	cased to 79'
H	Joseph Baxter	2701 26th Avenue	domestic	unknown	61	open bottom	cased to 61'
I	J.D. Lankford	2644 26th Avenue	domestic	unknown	60	open bottom	cased to 60'
J	P.E. Tingey	west-northwest of 24th St. & Fruitridge Road	domestic	unknown	70	open bottom	cased to 70'

TABLE 1
WATER WELL SURVEY RESULTS
KWIK SERV FUELING STATION
2400 FRUITRIDGE ROAD, SACRAMENTO, CA

WELL ID	OWNER	LOCATION	USE	CAPACITY (GPM)	TOTAL DEPTH (FEET BGS)	SCREEN INTERVAL (FEET BGS)	SANITARY SEAL
K	Willard Hanselman	108' north of Fruitridge 69' west of 28th Street	domestic	unknown	80	open bottom	cased to 80'
L	Jerry Zelany	5541 28th Street	domestic	unknown	48	open bottom	cased to 48'
M	Jim Clark	2656 26th Avenue	domestic	unknown	90	open bottom	cased to 90'
N	Unknown	2648 29th Avenue	domestic	unknown	unknown	open bottom	unknown
O	A.W. Quigley	2600 26th Avenue	domestic	unknown	104	open bottom	cased to 104'
P	Stevens	2644 26th Avenue	domestic	unknown	104	open bottom	cased to 104'
Q	E.H. Huss	5590 28th Street	domestic	unknown	84	open bottom	cased to 84'
R	Howard Tom	5190 28th Street	domestic	unknown	unknown	open bottom	unknown
S	Mr. Xavier	5300 28th Street	domestic	unknown	77	open bottom	cased to 77'
T	J.W. Meyers	2821 Fruitridge Road	domestic	unknown	88	open bottom	cased to 88'
U	Martha Madriago	2710 Fruitridge Road	domestic	unknown	80	open bottom	cased to 80'
V	M. Grant	2740 34th Avenue	domestic	unknown	83	open bottom	cased to 83'



GENERAL NOTES:
 BASE MAP FROM U.S.G.S.
 SACRAMENTO, CA.
 7.5 MINUTE TOPOGRAPHIC
 PHOTOREVISED 1980



QUADRANGLE LOCATION



SCALE 1:24,000

STRATUS
 ENVIRONMENTAL, INC.

KWIK SERV
 2400 FRUITRIDGE ROAD
 SACRAMENTO, CALIFORNIA

SITE LOCATION MAP

FIGURE

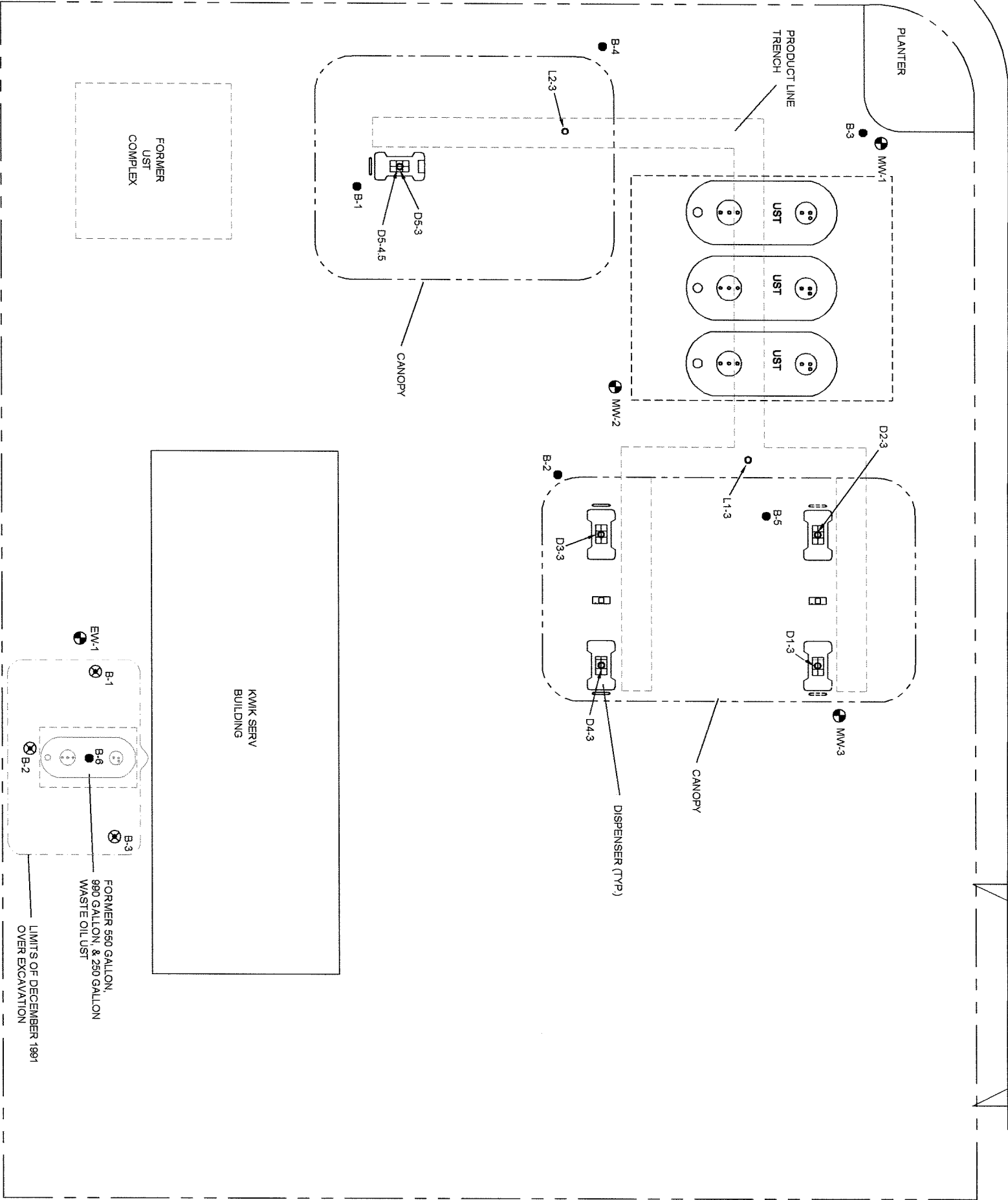
1

PROJECT NO.
 2029-2400-01

FRUITRIDGE ROAD



24th STREET



LEGEND:

- B-1 SOIL BORING LOCATION (STRATUS)
- D1-3 COMPLIANCE SOIL SAMPLE LOCATION (STRATUS)
- ⊗ B-1 OCTOBER 1990 SOIL BORING LOCATION (ALTON GEO SCIENCE)
- ⊕ MW-1 FORMER MONITORING WELL LOCATIONS

STRATUS
ENVIRONMENTAL, INC.



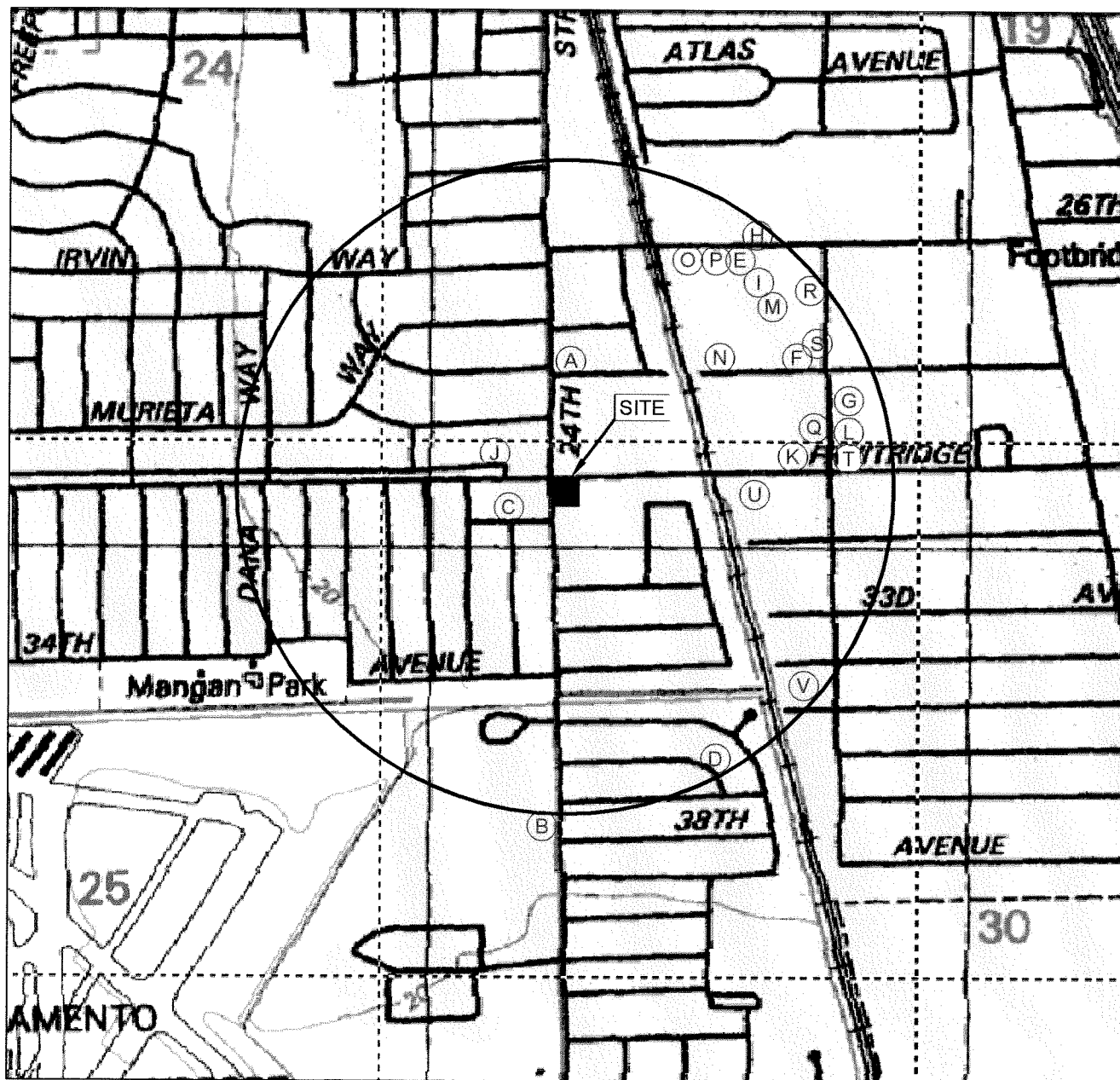
NOTE: LOCATIONS OF ALL FORMER & CURRENT SITE FEATURES ARE APPROXIMATE

KWIK SERV FUELING STATION
2400 FRUITRIDGE ROAD
SACRAMENTO, CALIFORNIA

SITE PLAN

FIGURE
2

PROJECT NO.
2029-2400-1



GENERAL NOTES:
 BASE MAP FROM U.S.G.S.
 SACRAMENTO, CA.
 7.5 MINUTE TOPOGRAPHIC
 PHOTOREVISED 1980



QUADRANGLE LOCATION



Ⓒ WATER SUPPLY WELL



APPROXIMATE SCALE

STRATUS
 ENVIRONMENTAL, INC.

KWIK SERV
 2400 FRUITRIDGE ROAD
 SACRAMENTO, CALIFORNIA

WATER SUPPLY WELL
 LOCATION MAP

FIGURE

3

PROJECT NO.
 2029-2400-01

APPENDIX A

DWR WELL COMPLETION FORMS

City of Sacramento, Division of Water,
City Hall, Sacramento, California.

LOCATION NOT CHECKED
SUPPLEMENTAL SHEET

New City Corporation Yard,
38th Avenue, & 24th St. Road, Sacramento, Calif.

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Walter L. Kirchgater

Do Not Fill In

State Well No.

Other Well No. 8A/4E-20H

Region.

(5) Well log (continued):

Total depth of well... 418 ... ft.

Give details of formations penetrated, such as silt, peat, muck, sand, gravel, clay, shale, sandstone, hardpan, rock. Include size of gravel (diameter) and sand (fine, medium, coarse), color of material, structure (loose, packed, cemented, soft, hard, brittle).

Depth From Ground Surface

[illegible]

Coarse Sand, Fine Gravel & Clay mixed

Blue Clay

Soft Gray Clay

Sticky Gray Clay

FOR OFFICIAL USE ONLY

~~CONFIDENTIAL~~
Section 7076.1, Water Code

Sacramento Municipal
UTILITY DISTRICT

34-787

PUMP TEST REPORTDate March 21, 1957 Test No. 1974Name City of Sacramento Water Dept.Address City Hall, Sacramento, CaliforniaPlant Location 24th Street & 38th Ave., New City Corporation Yard.**EQUIPMENT**METER NO. --- H. P. Input --- Meter R. P. M. XMOTOR Diesel H. P. --- Volts --- Rated R. P. M. --- Serial No. ---PUMP Test Pump Type Deepwell Turbine Size --- No. ---Installed by --- Drive Flat Belt**TEST RESULTS**

	Run #1	Run #2	Ft.
Standing Water Level Below Surface of Ground			
Standing Water Level Below Centerline of Discharge	45.2	45.2	Ft.
Draw Down from Standing to Pumping Level	38.6	33.0	Ft.
Pumping Water Level Below Centerline of Discharge	83.8	78.2	Ft.
Discharge Level Above Centerline of Discharge	---	---	Ft.
TOTAL LIFT (Water to Water)	83.8	78.2	Ft.
WATER PUMPED	1655	1345	G. P. M.
Yield of Well (G. P. M. per Foot Draw Down)	42.8	40.7	GPM/Ft.
Water Pumped in 24 Hours <u>Million Gallons</u>	2.38	1.97	Acc Ft M.O.
Measured Speed	1750	1500	R. P. M.
HORSEPOWER INPUT TO MOTOR	---	---	H. P.
Kilowatt Input to Motor	---	---	KW.
KILOWATT HRS. PER ACRE FOOT OF WATER PUMPED	---	---	KWH/A. F.
OVERALL PLANT EFFICIENCY	---	---	%

REMARKS:

This was a test pump installed in a new well to develop and determine the yield.

CONFIDENTIAL
 Section 7076.1, Water Code

1 of 3

Sacramento Municipal
UTILITY DISTRICT
PUMP TEST REPORT

8N/4E-25H
34-787

Date March 21, 1957 Test No. 1974
Name City of Sacramento Water Department
Address City Hall, Sacramento, California
Plant Location 24th St & 38th Ave.,

EQUIPMENT

METER NO. --- H. P. Input = Meter R. P. M. \times ---
MOTOR Diesel H. P. --- Volts --- Rated R. P. M. --- Serial No. ---
PUMP Test Pump Type Deepwell Turbine Size --- No. ---
Installed by --- Drive Flat Belt

TEST RESULTS

	Run #3	Run #4	FE
Standing Water Level Below Surface of Ground.....	45.2	45.2	Ft.
Standing Water Level Below Centerline of Discharge.....	26.6	26.9	Ft.
Draw Down from Standing to Pumping Level.....	73.8	72.1	Ft.
Pumping Water Level Below Centerline of Discharge.....	---	---	Ft.
Discharge Level Above Centerline of Discharge.....	73.8	72.1	Ft.
TOTAL LIFT (Water to Water).....	1180	1110	G. P. M.
Yield of Well (G. P. M. per Foot Draw Down).....	41.2	41.2	GPM/Ft.
Water Pumped in 24 Hours <u>Million Gallons</u>	1.69	1.59	ACFE
Measured Speed.....	1450	1350	R. P. M.
HORSEPOWER INPUT TO MOTOR.....	---	---	H. P.
Kilowatt Input to Motor.....	---	---	KW.
KILOWATT HRS. PER ACRE-FOOT OF WATER PUMPED.....	---	---	KWH/A. F.
OVERALL PLANT EFFICIENCY.....	---	---	---

REMARKS:

(Continued)

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Section 7076.1, Water Code

G. H. Gilbert

Test Engineer

2 of 3

Sacramento Municipal
UTILITY DISTRICT
PUMP TEST REPORT

08N04E25H
34-787

Date March 31, 1957Test No. 1974Name City of Sacramento - Water DepartmentAddress City Hall, Sacramento, CaliforniaPlant Location 24th St & 38th Ave., Sacramento, California**EQUIPMENT**METER NO. ---- H. P. Input = Meter R. P. M. ---MOTOR Diesel H. P. --- Volts ---- Rated R. P. M. --- Serial No. ----PUMP Test Pump Type Deepwell Turbine Size --- No. ---Installed by --- Drive Flat Belt**TEST RESULTS**

	<u>Run #5</u>	<u>Run #6</u>	<u>FE</u>
Standing Water Level Below Surface of Ground			
Standing Water Level Below Centerline of Discharge	<u>45.2</u>	<u>45.2</u>	<u>Ft.</u>
Draw Down from Standing to Pumping Level	<u>25.0</u>	<u>21</u>	<u>Ft.</u>
Pumping Water Level Below Centerline of Discharge	<u>70.2</u>	<u>66.2</u>	<u>Ft.</u>
Discharge Level Above Centerline of Discharge	<u>---</u>	<u>---</u>	<u>Ft.</u>
TOTAL LIFT (Water to Water)	<u>75.2</u>	<u>66.2</u>	<u>Ft.</u>
WATER PUMPED	<u>915</u>	<u>873</u>	<u>G. P. M.</u>
Yield of Well (G. P. M. per Foot Draw Down)	<u>36.6</u>	<u>41.5</u>	<u>GPM/Ft.</u>
Water Pumped in 24 Hours <u>Million Gallons</u>	<u>1.32</u>	<u>1.25</u>	<u>MG</u>
Measured Speed	<u>1250</u>	<u>1150</u>	<u>R. P. M.</u>
HORSEPOWER INPUT TO MOTOR	<u>---</u>	<u>---</u>	<u>H. P.</u>
Kilowatt Input to Motor	<u>---</u>	<u>---</u>	<u>KW.</u>
KILOWATT HRS. PER ACRE FOOT OF WATER PUMPED	<u>---</u>	<u>---</u>	<u>KWH/A. F.</u>
OVERALL PLANT EFFICIENCY	<u>---</u>	<u>---</u>	<u>%</u>
REMARKS:			

This was a test pump installed in a new well to develop and determine the yield.

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 Section 7076.1, Water Code

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA—DEPARTMENT OF PUBLIC UTILITIES

DIVISION OF WATER RESOURCES

34-1555

LOCATION NOT CHECKED
Do Not Fill In

State Well No.

er Well No. 34/5E-30E

ion

(1) DRILLER: (person, firm, or corporation)

Name **H.L. Norris & Son**

Address **3200 P St.**
Sacramento, Calif.

OWNER:

Name **Sierra Builders**

Address **1716 26th St.**
Sacramento, Calif.

(2) Proposed Use (Check)

Domestic ☐ Industrial ☒
Irrigation ☐ Test Well ☐
Municipal ☐ Other ☐

Equipment

Rotary ☐
Cable ☒
Dug Well ☐
Other ☐

(3) CASING:

256 ft. of **12** in. do **12** 1/2 ga. casing **all** left in well

Type and size of shoe or well ring **Steel 12"x3/4"x8"**

(4) PERFORATIONS:

Type of perforator used **mills**
Perforated **224** ft. to **240** ft. **12** holes per **12** in.
Diameter of perforations **1/2** in., length **3** in.

(5) WATER LEVELS:

Was electric log made of well? ☐ Yes ☒ No If yes, attach copy.

Depth at which water was first found **32** ft.

Standing level before perforating **32** ft.

Standing level after perforating **32** ft.

Note your observation of any change in water level while drilling

Was a surface sanitary seal provided?

(6) WELL PUMPING TEST:

Capacity **1911** gal./min. **45** ft. draw down

Was well gravel packed? **no**

Were any strata sealed against pollution? **all welded casing**

Temperature Was a chemical analysis made? Attach copy

If abandoned was well capped?

(7) TYPE OF WORK (check):

New well ☒ Reconditioning of well ☐
Deepening existing well ☐

(8) LOCATION OF WELL:

County **Sacramento**

R. F. D. or Street No. **1000 ft E of 24th st. road**
1800 ft. S of Fruitridge road

(9) WELL LOG:

Total depth of well **256** ft.

Formation: Mention size of water gravel—
0 ft. to 2 ft. Top soil

2	21	Clay
21	58	Sand
58	85	Cobble stones
85	114	Grey Clay
114	123	Sandy clay
123	135	Clay soft
135	143	Clay blue
143	152	Sand
152	168	Clay
168	173	Sand
173	202	Sandy clay
202	224	Tough clay
224	237	Sand
237	240	Clay
240	249	Sand
249	256	Clay

Section 7076, 7077, 7078, Water Code

Work started **6/2/53** 19 , Completed **6/27/53** 19
Date of Report **6/29/53** , 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

[SIGNED]

By

License No.

Dated

46370 7-51 30M QUIN ① SPO

Classification

1953

34-1345

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Flippe

Do Not Fill In
State Well No. SN/55-1912
Other Well No. _____
Region 5

(7) Perforations:

Type of perforator used none

Perforated	ft.	to	ft.	Hole size	No. of holes
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"

(8) Water levels:

Depth at which water
first encountered 30 ft.

Depth to water
before perforating _____ ft.

Depth to water
after perforating _____ ft.

Note any change in water level while drilling
no

(9) Well pumping test:

Date of test _____ By whom _____

Depth to water when test started _____ ft.

G.P.M. at beginning of test _____

Drawdown from standing level _____ ft.

G.P.M. at completion of test _____

Drawdown at completion of test _____ ft.

Length of time tested _____

Temperature of water _____

Was gas present in water? ☐ Yes ☒ No

(10) General:

Was well gravel packed? No Size of rock _____ Thickness of pack _____

Was a surface sanitary seal provided? _____

Were any strata sealed against pollution? ☐ Yes ☐ No If yes, attach detailed description.

Strata sealed _____

Was analysis made of water? ☐ Yes ☒ No If yes, attach copy.

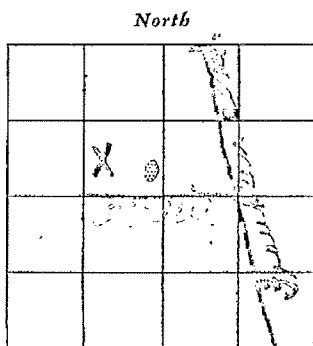
Was electric log made of well? ☐ Yes ☒ No If yes, attach copy.

If well abandoned, was it plugged and sealed? _____

Method of plugging and sealing _____

FOR OFFICIAL USE ONLY

(11) Location:



Section No. 19

Township 8N

Range 5E

Base & Meridian MD

Show location of well in Section, thus (X)

Distances to section lines from
well, N or S 1535 ft.
and E or W 1390 ft.

Show location of nearest
known well, thus (O)

Distance to nearest known
well 30 ft.

(12) Time of work:

Work started date 4/4/51 Completed date 4/5/51

Date of this report April 5, 1951

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

[SIGNED] _____

Well Driller

By KIRK'S WELL DRILLING

License No. 102379 Classification C57

Dated April 5, 1951, 19

DUPLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. _____
(*Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

LOCATION NOT CHECKED

Do Not Fill In

No. 31296

State Well No. _____

Other Well No. _____

(1) OWNER:

Name Robert R Grosz
Address 2771-29th Ave
Sacramento

(2) LOCATION OF WELL:

County Sacto Owner's number, if any—
R. F. D. or Street No. 2771-29th Ave
Sacramento

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐ Gage or Wall
From ft. to 88 ft. to 10 Diam. 12

If gravel packed

Diameter of Bore	from ft.	to ft.

Type and size of shoe or well ring 10"

Describe joint WE 1002

(7) PERFORATIONS:

Type of perforator used None

Size of perforations	in.	length, by	in.
From ft. to		Perf. per row	Rows per ft.

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☒ No To what depth _____ ft.

Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strata _____

From _____ ft. to _____ ft.

Method of Sealing _____

(9) WATER LEVELS:

Depth at which water was first found 40 ft.

Standing level before perforating _____ ft.

Flowing level after perforating _____ ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. draw down after _____ hrs.

Temperature of water _____ Was a chemical analysis made? ☐ Yes ☐ No

Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:

Total depth 128 ft. Depth of completed well 124 ft.

Formation: Describe by color, character, size of material, and structure.

ft. to	ft. to	Top
0	1	Top soil
1	21	clay
21	37	sand
37	55	sand + clay
55	85	sand + rock
85	123	clay
123	128	sand

Work started 7-19 1955 Completed 7-22 1955

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Donald Pennell (Person, firm, or corporation) (Typed or printed)

Address 404 32nd St Sacramento

[SIGNED] Donald Pennell Well Driller

License No. 173388 Dated 7-22 1955

6
ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. _____
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

LOCATION

State We
Other

(1) OWNER:

Name

Address

CARL W. PEETER
5405- 28th st.
SACRAMENTO CALIF.

(2) LOCATION OF WELL:

County

R. P. D. or Street No.

Owner's number, if any—

90 ft W of 28th st.
153 ft S 29 th ave.

(3) TYPE OF WORK (check):

New well ☒

Deepening ☐

Reconditioning ☐

Abandon ☐

(4) PROPOSED USE (check):

Domestic ☒

Industrial ☐

Municipal ☐

Other ☐

Irrigation ☐

Test Well ☐

(6) CASING INSTALLED:

SINGLE ☐

DOUBLE ☐

From 0

ft. to 79

ft. 10" Diam.

ft. 12" Gage or Wall

(5) EQUIPMENT:

Rotary ☐

Cable ☐

Dug Well ☒

If gravel packed

Diameter of Bore

from ft.

to ft.

Size of gravel:

PERFORATIONS:

Perforator used

of perforations

ft. to

ft.

in., length, by

Perf. per row

in.

Rows per ft.

TRUCTION:

any seal provided? ☐ Yes ☐ No

To what depth

against pollution? ☐ Yes ☐ No

If yes, note depth of strata

ft. to

ft.

LEVELS:

found

WATER TABLE 40'

No If yes, by whom?

with

Was a chemical analysis made? ☐ Yes ☒ No

Work started 9/29/54

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is

NAME

W. HEDMAN

Address

(Person, firm, or corp.)

CONFIDENTIAL
Section 7078.1, Water Code

DIVISION OF WATER RESOURCES

SHEET 1

34-1344

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Do Not Fall In

State Well No. 8-35E-19L

Other Well No. 1Region

(1) Driller:

Name KIRK'S WELL DRILLING INC
 Address 5369-13th Avenue
Sacramento 17, California
 License No. 102379 Classification EE C57

(2) Proposed use or uses (*check*): (3) Equipment used

Domestic ☒ Municipal ☐ (check):
 Irrigation ☐ Industrial ☐ Rotary ☒
 Domestic and Test well ☐ Cable ☐
 Irrigation ☐ Dug well ☐
 Other..... Other.....

Owner:

Name Joseph Baxter
Address 2701 26th Avenue
Sacramento, California

(4) Type of work (*check*):

New well ☒ Reconditioning of well ☐
Deepening existing well ☐

(5) Well log:

Total depth of well 65 ft.

Give details of formations penetrated, such as silt, peat, muck, sand, gravel, clay, shale, sandstone, hardpan, rock. Include size of gravel (diameter) and sand (fine, medium, coarse), color of material, structure (loose, packed, cemented, soft, hard, brittle).

Depth From Ground Surface

[illegible]

Hard Pan
Hard White Clay
Brown Sand
White Clay
Course Gravel

~~FOR OFFICIAL USE ONLY~~

If additional space is required, continue on DWR Form No. 246—Supplement, and attach to respective report copies.

(6) Casing left in well:

LENGTH FT.	DIAMETER INCHES	SINGLE, DOUBLE, WELDED, OTHER	LBS. PER FOOT OR GAGE OF CASING	SEATING BELOW GROUND SURFACE, FT.
61	4"	Std. Gal Pipe		61

Type and size of shoe or well ring.....Welded joints--☐ Yes ☐ No Std. Gal. Pipe Thread

34-1344

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Joseph Baxter

Do Not Fill In
State Well No. 821/52-121
Other Well No. _____
Region 5

(7) Perforations:

Type of perforator used none

Perforated	ft.	to	ft.	Hole size	No. of holes
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"

(8) Water levels:

Depth at which water
first encountered 30 ft.
Depth to water
before perforating _____ ft.
Depth to water
after perforating _____ ft.
Note any change in water level while drilling
no

(9) Well pumping test:

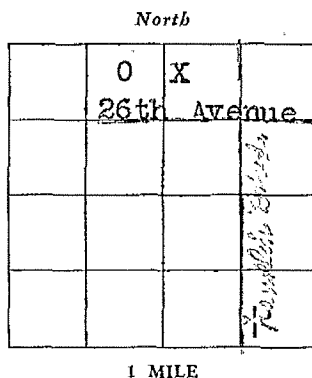
Date of test _____ By whom _____
Depth to water when test started _____ ft.
G.P.M. at beginning of test _____
Drawdown from standing level _____ ft.
G.P.M. at completion of test _____
Drawdown at completion of test _____ ft.
Length of time tested _____
Temperature of water _____
Was gas present in water? ☐ Yes ☒ No

(10) General:

Was well gravel packed? no Size of rock _____ Thickness of pack _____
Was a surface sanitary seal provided? _____
Were any strata sealed against pollution? ☐ Yes ☒ No If yes, attach detailed description.
Strata sealed _____
Was analysis made of water? ☐ Yes ☒ No If yes, attach copy.
Was electric log made of well? ☐ Yes ☒ No If yes, attach copy.
If well abandoned, was it plugged and sealed? _____
Method of plugging and sealing _____

FOR OFFICIAL USE ONLY

(11) Location:



Section No. 19
Township 3N
Range 5E
Base & Meridian MD
Show location of well in Section, thus (X)
Distances to section lines from well, N or S 1515 ft.
and E or W 320 ft.
Show location of nearest known well, thus (O)
Distance to nearest known well 30 ft.

(12) Time of work:

Work started date April 5 Completed date 4/6/51
Date of this report April 6, 1951

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

[SIGNED] Ray J. Kirk
Well Driller

By KIRK'S WELL DRILLING

License No. 102379 Classification C57

Dated April 6, 19 51

34-1347

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Do Not Fill In
State Well No. SN/SE-1914
Other Well No. _____
Region 5

(7) Perforations:

Type of perforator used _____

Perforated	ft.	to	ft.	Hole size	No. of holes
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"

(8) Water levels:

Depth at which water

first encountered 78 ft.

Depth to water

before perforating 100 ft.

Depth to water

after perforating 100 ft.

Note any change in water level while drilling _____

(9) Well pumping test:

Date of test _____ By whom _____

Depth to water when test started _____ ft.

G.P.M. at beginning of test _____

Drawdown from standing level _____ ft.

G.P.M. at completion of test _____

Drawdown at completion of test _____ ft.

Length of time tested _____

Temperature of water _____

Was gas present in water? ☐ Yes ☐ No

(10) General:

Was well gravel packed? ☒ Yes ☐ No Size of rock _____ Thickness of pack _____

Was a surface sanitary seal provided? _____

Were any strata sealed against pollution? ☐ Yes ☐ No If yes, attach detailed description.

Strata sealed _____

Was analysis made of water? ☐ Yes ☐ No If yes, attach copy.

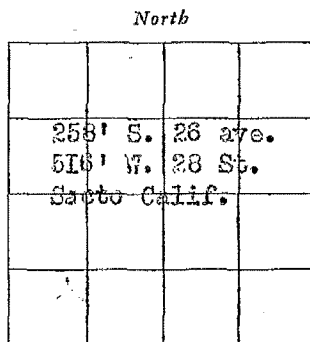
Was electric log made of well? ☐ Yes ☐ No If yes, attach copy.

If well abandoned, was it plugged and sealed? _____

Method of plugging and sealing _____

FOR OFFICIAL USE ONLY

(11) Location:



Section No. 19

Township 24

Range 3E

Base & Meridian _____

Show location of well in Section, thus (X)

Distances to section lines from well, N or S _____ ft. and E or W _____ ft.

Show location of nearest known well, thus (O)

Distance to nearest known well _____ ft.

(12) Time of work:

Work started date 4.17.51 Completed date 4.19.51

Date of this report _____

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

[SIGNED]

George F. [Signature]
Well Driller

By W. H. [Signature]

License No. 26612 Classification C-57

Dated 5-17, 1951

DIVISION OF WATER RESOURCES

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Do Not Fill In

State Well No. 8N/5E-19N
Other Well No. 34-1348
Region _____

(1) Driller:

Name Thos. J. Fulton
Address P.O. Box 55
Elk Grove, Calif.
License No. 101207 Classification G 57

Owner:

Owner: P. E. Tingey
Name: P. E. Tingey
Address: Twenty-fourth St.
Sacramento, Calif.

(2) Proposed use or uses (*check*):

Domestic <input checked="" type="checkbox"/>	Municipal <input type="checkbox"/>	(check):
Irrigation <input type="checkbox"/>	Industrial <input type="checkbox"/>	Rotary <input checked="" type="checkbox"/>
Domestic and	Test well <input type="checkbox"/>	Cable <input type="checkbox"/>
Irrigation <input type="checkbox"/>		Dug well <input type="checkbox"/>
Other _____		Other _____

(3) Equipment used

(check):

Rotary ☒

Cable ☐

Dug well ☐

Other.....

(4) Type of work (*check*):

New well ☒ Reconditioning of well ☐
Deepening existing well ☐

(5) Well log:

Total depth of well 120 ft.

Give details of formations penetrated, such as silt, peat, muck, sand, gravel, clay, shale, sandstone, hardpan, rock. Include size of gravel (diameter) and sand (fine, medium, coarse), color of material, structure (loose, packed, cemented, soft, hard, brittle).

Depth From Ground Surface

[illegible]

Top Soil
Hard Pan
Brown Clay
Sand & Brown Clay
Sand & Small Gravel
Brown Clay
Sand & Brown Clay
Sand
Greyish Brown Clay
Sand

~~FOR OFFICIAL USE ONLY~~

If additional space is required, continue on DWR Form No. 246—Supplement, and attach to respective report copies.

(6) Casing left in well:

LENGTH FT.	DIAMETER INCHES	SINGLE, DOUBLE, WELDED, OTHER	LBS. PER FOOT OR GAGE OF CASING	SEATING BELOW GROUND SURFACE, FT.
70	4	Screw	14.81	69

Type and size of shoe or well ring No Welded joints ☐ Yes ☒ No

34-1348

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Do Not Fill In

State Well No. 8N15E-19N2
Other Well No. _____
Region 5

(7) Perforations:

Type of perforator used None

Perforated	ft.	to	ft.	Hole size	No. of holes
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"

(8) Water levels:

Depth at which water
first encountered 50 ft.

Depth to water
before perforating ft.

Depth to water
after perforating ft.

Note any change in water level while drilling
None

(9) Well pumping test:

Date of test None By whom

Depth to water when test started ft.

G.P.M. at beginning of test

Drawdown from standing level ft.

G.P.M. at completion of test

Drawdown at completion of test ft.

Length of time tested

Temperature of water

Was gas present in water? ☐ Yes ☐ No

(10) General:

Was well gravel packed? No Size of rock Thickness of pack

Was a surface sanitary seal provided? No

Were any strata sealed against pollution? ☐ Yes ☒ No If yes, attach detailed description.

Strata sealed

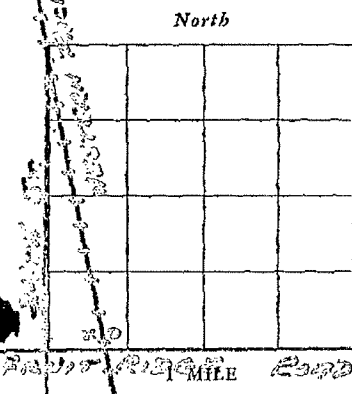
Was analysis made of water? ☐ Yes ☒ No If yes, attach copy.

Was electric log made of well? ☐ Yes ☒ No If yes, attach copy.

If well abandoned, was it plugged and sealed?

Method of plugging and sealing

(11) Location:



Section No. 19

Township 8N

Range 5E

Base & Meridian 190 400

Show location of well in Section, thus (X)

Distances to section lines from well, N or S 200 ft. and E or W 200 ft.

Show location of nearest known well, thus (O)

Distance to nearest known well 200 ft.

(12) Time of work:

Work started date 7-27-50 Completed date 7-28-50

Date of this report Aug. 15, 1950

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

[SIGNED] Thos. J. Fulton

Well Driller

By J. Mahoney

License No. 101207 Classification C 57

Dated Aug. 15, 1950

34-1351

Do Not Fill In

State Well No. 2013-E-192
Other Well No. _____
Region _____

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

(1) Driller:

Name H. C. Keables
Address 1700 Glenrose Ave.
Sacramento 15, Calif.
License No. 96347 Classification C 57

(2) Proposed use or uses (*check*):

Domestic ☒ Municipal ☐ (check):
Irrigation ☐ Industrial ☐ Rotary ☐
Domestic and Test well ☐ Cable ☒
Irrigation ☐ Dug well ☐
Other _____ Other _____

(3) Equipment used

(check):

Rotary ☐

Cable ☒

Dug well ☐

Other _____

Owner:

Name Willard Hanselman
Address 2301 Alhambra,
Sacramento, Calif.

(4) Type of work (*check*):

New well ☒ Reconditioning of well ☐
Deepening existing well ☐

(5) Well log:

Total depth of well 105 ft.

Give details of formations penetrated, such as silt, peat, muck, sand, gravel, clay, shale, sandstone, hardpan, rock. Include size of gravel (diameter) and sand (fine, medium, coarse), color of material, structure (loose, packed, cemented, soft, hard, brittle).

Depth From Ground Surface

[illegible]

If additional space is required, continue on DWR Form No. 246—Supplement, and attach to respective report copies.

(6) Casing left in well:

LENGTH FT.	DIAMETER INCHES	SINGLE, DOUBLE, WELDED, OTHER	LBS. PER FOOT OR GAGE OF CASING	SEATING BELOW GROUND SURFACE, FT.
80	10"	Welded	10 Ga.	80

Type and size of shoe or well ring 10" Welded joints—☒ Yes ☐ No

~~SECRET~~ 34-1351

WATER WELL DRILLERS' REPORT

(Sections 7076, 7077, 7078, Water Code)

Do Not Fill In

State Well No. SN/SE-1274
Other Well No. _____
Region SN/SE

Willard Hanselman

(7) Perforations:

Type of perforator used.

[illegible]

(8) Water levels:

Depth at which water first encountered 28 ft.

Depth to water before perforating 100 ft 30 in ft.

Depth to water after perforating 100 ft 30 in ft.

Note any change in water level while drilling

(9) Well pumping test:

Date of test _____ By whom _____
Depth to water when test started _____ ft.
G.P.M. at beginning of test _____
Drawdown from standing level _____ ft.
G.P.M. at completion of test _____
Drawdown at completion of test _____ ft.
Length of time tested _____
Temperature of water _____
Was gas present in water? ☐ Yes ☒ No

(10) General:

Was well gravel packed? NO Size of rock _____ Thickness of pack _____
Was a surface sanitary seal provided? _____
Were any strata sealed against pollution? ☐ Yes ☐ No If yes, attach detailed description.
Strata sealed Above 80 Ft.
Was analysis made of water? ☐ Yes ☒ No If yes, attach copy. **FOR OFFICIAL USE ONLY**
Was electric log made of well? ☐ Yes ☒ No If yes, attach copy.
If well abandoned, was it plugged and sealed? _____
Method of plugging and sealing _____

(11) Location:

North

Well is: 1 MILE Di
108' N. of Fruitridge Rd.
69' W. of 28th St.

Section No. 19
Township 24N
Range 5E
Base & Meridian 14D
Show location of well in Section, thus (X)
Distances to section lines from well, N or S 533.00 ft. and E or W 175.00 ft.
Show location of nearest known well, thus (O)
Distance to nearest known well, _____ ft.

(12) Time of work:

Work started date 11/13/50 Completed date 11/15/50
Date of this report Nov. 17, 1950

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

[SIGNED] E. C. Keables

By E. C. Nechles ^{Well Driller}

License No. 96347 Classification C 57

Dated Mar, 12, 1957

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Do Not Fill In
State Well No. EN/SE-19P2
Other Well No. _____
Region _____ **34-1353**

(1) Driller: Wm Haskell Green
Name: Wm Haskell Green
Address: 2500 Vermont Ave
Sacramento Calif.
License No. 121677 Classification C-15

(2) Proposed use or uses (<i>check</i>):		(3) Equipment used
Domestic <input checked="" type="checkbox"/>	Municipal <input type="checkbox"/>	(<i>check</i>):
Irrigation <input type="checkbox"/>	Industrial <input type="checkbox"/>	Rotary <input checked="" type="checkbox"/>
Domestic and	Test well <input type="checkbox"/>	Cable <input type="checkbox"/>
Irrigation <input type="checkbox"/>		Dug well <input type="checkbox"/>
Other <input type="checkbox"/>		Other <input type="checkbox"/>

Owner: Jerrey Zebny
Name: Jerrey Zebny
Address: 7554 28th St.
Sacramento, CA

(4) Type of work (check):
 New well ☒ Reconditioning of well ☐
 Deepening existing well ☐

(5) Well log:
Total depth of well 50 ft.

Give details of formations penetrated, such as silt, peat, muck, sand, gravel, clay, shale, sandstone, hardpan, rock. Include size of gravel (diameter) and sand (fine, medium, coarse), color of material, structure (loose, packed, cemented, soft, hard, brittle).

[illegible]

Top sail
Chay
Sail
Chay
Rough.

~~FOR OFFICIAL USE ONLY~~

If additional space is required, continue on DWR Form No. 246—Supplement, and attach to respective report copies.

- (6) Casing left in well:

[illegible]

Type and size of shoe or well ring 5 1/2 Welded joints ☐ Yes ☐ No

34-1353

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Do Not Fill In
State Well No. SN/55-19P2
Other Well No. _____
Region 5

(7) Perforations:

Type of perforator used _____

Perforated	ft.	to	ft.	Hole size	No. of holes
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"

(8) Water levels:

Depth at which water first encountered 30 ft.

Depth to water before perforating no perf ft.

Depth to water after perforating " " ft.

Note any change in water level while drilling

no

(9) Well pumping test:

Date of test _____ By whom _____

Depth to water when test started _____ ft.

G.P.M. at beginning of test _____

Drawdown from standing level no test ft.

G.P.M. at completion of test _____

Drawdown at completion of test _____ ft.

Length of time tested _____

Temperature of water _____

Was gas present in water? ☐ Yes ☐ No

(10) General:

Was well gravel packed? no Size of rock _____ Thickness of pack _____

Was a surface sanitary seal provided? no

Were any strata sealed against pollution? ☐ Yes ☒ No If yes, attach detailed description.

Strata sealed 1st strata sealed by setting casing in

Was analysis made of water? ☐ Yes ☒ No If yes, attach copy. Clay at 48 ft.

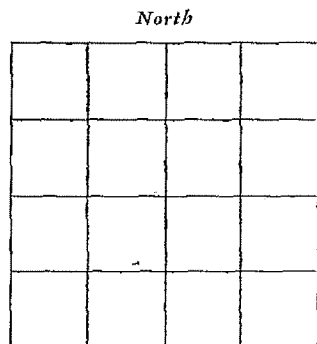
Was electric log made of well? ☐ Yes ☒ No If yes, attach copy.

If well abandoned, was it plugged and sealed?

Method of plugging and sealing _____

FOR OFFICIAL USE ONLY

(11) Location:



Section No. 19

Township 8N

Range 5E

Base & Meridian MD

Show location of well in Section, thus (X)

Distances to section lines from well, N or S 122 ft.

and E or W 1850 ft.

Show location of nearest known well, thus (O)

Distance to nearest known well 62 ft. W.

(12) Time of work:

Work started date Aug 9 Completed date Dec 2

Date of this report Sept 5 1950

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

[Signed] Thasell Green

Well Driller

By T Green

License No. 101677 Classification C-57

Dated Sept, 1950

WATER WELL DRILLERS REPORT

200-113

Do Not Fold

34-1353

Lot # 46 City Farms
126 ft E 28th Street
129 ft N Grintridge

well.
Distance to nearest known
G.M.W.
known well.
Show location of nearest
and on W. 4 NOV 69 1950

REGIONAL WATER POLLUTION
CONTROL BOARD
CENTRAL VALLEY REGION

1950 NOV 9

1. The first of these is the fact that the
the first of these is the fact that the

1952

WORK ORDER

08NOV519

OK
BB

No ~~2122~~

12-23-60

Inv 5230

#514.14

D. HEDMAN

WELL DRILLING CONTRACTOR

COMPLETE WELL SERVICE

2901 32nd Ave.

SACRAMENTO, CALIF.

34-1360

Salesman B Date 12/13/60, 19

Name Jim Clark

Address 26 St. 26th Ave

INSTRUCTIONS:

Well Dia. 10" Est. Depth 110 Type of Well Dom

Est. Rock Per Ft.

Drilling Price Per Ft. to Ft.

Est. Casing 90' Ft. Gage @ \$ Per Ft.

Drive Shoe Size Price \$

Other Instructions: Estimated 1450'

WELL LOG

<u>Topsoil</u>	<u>0-3</u>
<u>Gravel</u>	<u>3-6</u>
<u>Yellow clay</u>	<u>6-18</u>
<u>Brown clay</u>	<u>18-34</u>
<u>Sand</u>	<u>34-44</u>
<u>Gray sandy clay</u>	<u>44-68</u>
<u>Dark sand</u>	<u>68-81</u>
<u>Brown clay</u>	<u>81-90</u>
<u>Light sand</u>	<u>90-110</u>
<u>Sand</u>	<u>110-</u>

WELL LOCATION

ft. North of

ft. East of

400 ft. South of 26 Ave

400 ft. West of 28 St

Started: 12/16/60

Completed: 12/19/60

Water Table: 48

MATERIALS USED

<u>84' 12" pipe @ 2.90</u>	<u>243.60</u>
<u>1 pump shoe</u>	<u>20.00</u>
<u>4% sales tax</u>	<u>10.54</u>
<u>110' 20" drilling @ 2.00</u>	<u>220.00</u>
<u>Set pump in well</u>	<u>20.00</u>
<u>Total</u>	<u>594.14</u>

34-1361

WORK ORDER

08NOV 19

No

~~7750~~

D. HEDMAN

WELL DRILLING CONTRACTOR

COMPLETE WELL SERVICE

.2901 32nd Ave.

SACRAMENTO, CALIF.

Salesman..... Date Aug 23, 1958

Name J. H. Hedman

Address 2112 - 29th Ave

INSTRUCTIONS:

Well Dia. 10" Est. Depth..... Type of Well Drain

Est. Rock..... Ft. at..... Per Ft.

Drilling Price..... Per Ft. to..... Ft.

Est. Casing..... Ft..... Gage @ \$..... Per Ft.

Drive Shoe Size..... Price \$.....

Other Instructions: Contract 425.00

Accepted by:.....

Drillers Information

Well Location 2112 - 29th Ave

Pump H.P. 1 GPM..... Setting.....

Water..... Driller.....

34-1361

08N05E19

WELL LOG

0 to 3 top soil
 5 Hard pan
 12 clay loam
 47 clay loam sandy
 55 clay loam
 75 sand + gravel (up)
 81 clay loam
 85 gravel
 101 clay loam
 105 gravel

WELL LOCATION

ft. North of

ft. East of

ft. South of 29th ave

ft. West of 25th st

Started: 8/24/55

Completed: 8/26/55

Water Table:

MATERIALS USED

91' 10" 12 gauge casing
 1.5 x 4 P.S. pipe

5-2-60
 Inv. 1219
 \$600.46

WORK ORDER

08N05E19

D. HEDMAN

WELL DRILLING CONTRACTOR
 COMPLETE WELL SERVICE

2901 32nd Ave.
 SACRAMENTO, CALIF.

No. ~~9500~~

34-1362

Salesman B Date 4/21/60, 19__
 Name A.W. Quigley
 Address 2600 26th Ave

INSTRUCTIONS:

Well Dia. 10" Est. Depth 200 Type of Well Dom.
 Est. Rock _____ Ft. at _____ Per Ft. _____
 Drilling Price 2.00 Per Ft. to _____ Ft. _____
 Est. Casing _____ Ft. _____ Gage @ \$ 290 Per Ft. _____
 Drive Shoe Size _____ Price \$ _____
 Other Instructions: Drill as close to old well
as possible

WELL LOG

0-3- Top Soil	
4- Hard Pan	
15- Sandy Clay W	
19- Yellow Clay	
58- Sandy Clay Bru	
79- Sand & Gravel WB	
87- Sandy Clay (Bru)	
93- Hard Sand WB	
99- Sandy Clay Bru	
102- Sand WB	
105- Shale Yellow Clay	
119- Shale WB	
122- Yellow Clay	
126- Hard Sand WB	
132- Sandy Clay White	
138- Sand WB (Pottse)	
WELL LOCATION	
	ft. North of _____
	ft. East of _____
	ft. South of <u>26th Ave</u>
	ft. West of <u>26th Way</u>
Started:	<u>4/28/60</u>
Completed:	<u>4/30/60</u>
Water Table:	<u>49'</u>

MATERIALS USED

104' 10" 12ga. Rods	
1/2" x 4' plow Steel	
133' 10" drilling @ 2.00	

34-1363

WORK ORDER

08N05E19

No 2529

D. HEDMAN

WELL DRILLING CONTRACTOR
COMPLETE WELL SERVICE

2901 32nd Ave.
SACRAMENTO, CALIF.

8-1-60

Est. 4887

#624,46

Salesman O Dell Date 7/19/60, 19__

Name Stevens

Address 2644 26th Ave

G1 8-4686

INSTRUCTIONS:

Well Dia. 10" Est. Depth 130' Type of Well dam

Est. Rock _____ Ft. at _____ Per Ft. _____

Drilling Price 2.00 Per Ft. to _____ Ft. _____

Est. Casing 100 Ft. _____ Gage @ \$ 290 Per Ft. _____

Drive Shoe Size 1/2 x 4 P.S. Price \$ _____

Other Instructions: _____

Accepted by: _____

Drillers Information

Well Location As near as possible to

old well

Pump H.P. _____ GPM _____ Setting _____

Water _____ Driller Eugene

west
of
south

[Signature]

WELL LOG

0 to 2 top soil	
5 Hard Pan	
20 clay gray	
36 clay brown	
58 clay brown sandy	
65 clay brown	
78 Sand & gravel	
82 clay gray	
94 clay brown	
96 Sand w B	
102 clay brown soft	
118 clay brown	
119 Shell w B	
123 clay gray	
145 clay brown	
Sand w B	
	WELL LOCATION
	ft. North of 26 Ave
	ft. East of
	ft. South of
	ft. West of 28th St
	Started: July 22, 60
	Completed: July 24, 60
	Water Table: 5 ft

MATERIALS USED

104	10" 12 gage	290
2 x 4	PS shoe	
145'	10" drilling @ 242'	

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

LOCATION NOT CHECKED

Do Not Fill In
N^o 44579

CONTROL BOARD No. 5
(Insert appropriate number)

STATE OF CALIFORNIA

State Well No. 1853
Other Well No. 2415

(1) OWNER:

Name E. H. H. Mrs.
Address 3320 28 St
Sacramento

(2) LOCATION OF WELL:

County Sacramento Owner's number, if any—
R. F. D. or Street No. 140 ft. west of 28 St
200 ft. north of
Fruit Ridge ave.

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☐ DOUBLE ☐

From ft. to ft. Diam. Gage or Wall
34 ft. to 41 ft.
Standard gal. pipe

If gravel packed

Diameter of Bore from to
ft. ft. ft.
" " "
" " "
" " "
" " "

Type and size of shoe or well ring

Describe joint Welded

(7) PERFORATIONS:

Type of perforator used None

Size of perforations	in., length, by	in.
From ft. to ft.	Perf. per row	Rows per ft.
" " "	" " "	" " "
" " "	" " "	" " "
" " "	" " "	" " "
" " "	" " "	" " "

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☒ No To what depth ft.

Were any strata sealed against pollution? ☐ Yes ☒ No If yes, note depth of strata

From ft. to ft.

Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found 3.5 ft.

Standing level before perforating ft.

Standing level after perforating ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield gal./min. with ft. draw down after hrs.

Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 120 ft. Depth of completed well 120 ft.

Formation: Describe by color, character, size of material, and structure.

ft. to	ft.	Material
0	2.5	clay
2.5	3.5	sand
3.5	4.5	clay
4.5	5.0	sand
5.0	7.9	gravel
7.9	10.0	clay
10.0	120	sand gravel

CONFIDENTIAL
Section 7076.1, Water Code

Work started 7-18 1957 Completed 7-14 1957

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Handywell Drilling

(Person, firm, or corporation) (Typed or printed)

Address RI 1301 829

West Sacramento

[SIGNED] E. E. Handy

Well Driller

License No. 131407 Dated 8-9 1957

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 5
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

LOCATION NOT CHECKED

Do Not Fill In

No. 44605

State Well No.

Other Well No. 8M/E-194

(1) OWNER:

Name Howard Tom

Address 5190 28 st. saramento

(2) LOCATION OF WELL:

County Sacramento Owner's number, if any—

R. F. D. or Street No.

115 ft west of 28 st.

300 ft south of 26 ave.

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐

Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒

Cable ☐

Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☐ DOUBLE ☐

From ft. to ft. Diam. Gage or Wall

4 inch galvanized
pipe

If gravel packed

Diameter of Bore from ft. to ft.

Size of gravel

Type and size of shoe or well ring

Describe joint welded

(7) PERFORATIONS:

Type of perforator used

Size of perforations in., length, by in.

From ft. to ft. Perf. per row Rows per ft.

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☒ No To what depth ft.

Were any strata sealed against pollution? ☐ Yes ☒ No If yes, note depth of strata

From ft. to ft.

Method of Sealing casing driven in clay

(9) WATER LEVELS:

Depth at which water was first found 70 ft.

Standing level before perforating ft.

Standing level after perforating ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: gal./min. with ft. draw down after hrs.

Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth ft. Depth of completed well ft.

Formation: Describe by color, character, size of material, and structure.

ft.	to	ft.	Formation
0	25	25	clay
25	36	36	sand
36	70	70	clay
70	81	81	rock
81	87	87	sand
87	132	132	clay
132	136	136	sand

CONFIDENTIAL
Section 7076.1, Water Code

FOR OFFICIAL USE ONLY

Work started Mar. 19 19 57 Completed Mar. 22-57

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Handy's Well Drilling

Address Rt. 1 box 829 west Sacramento

(Signed) E. E. Handy Well Driller

License No. 1314-07 Dated April 6-57

ORIGINAL

File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTIONCONTROL BOARD No. 5
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In

No. 46291

State Well No.

Other Well No. RM/SE-12P

(1) OWNER:

Name Mr. Xavier
Address 5300 - 28th Street
Sacramento, California

(2) LOCATION OF WELL:

County Sacramento Owner's number, if any--
R. F. D. or Street No.
252' North of 29th Avenue
117' West of 28th Street

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐From 0 ft. to 77 ft. 10 Diam. 12

If gravel packed

Gage or Wall	Diameter of Bore	from ft.	to ft.
"	"	"	"
"	"	"	"
"	"	"	"
"	"	"	"
"	"	"	"

Type and size of shoe or well ring 1/2 x 4 Plow St. Size of gravel:Describe joint butt welded

(7) PERFORATIONS:

Type of perforator used

Size of perforations	in., length, by	in.
From	ft. to	ft.
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☐ No To what depth ft.Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strataFrom ft. to ft.

Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found ft.Static level before perforating (Water Table) 45 ft.Static level after perforating ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☐ No If yes, by whom?Yield: gal./min. with ft. draw down after hrs.Temperature of water Was a chemical analysis made? ☐ Yes ☐ NoWas electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:

Total depth 127 ft. Depth of completed well ft.

Formations: Describe by color, character, size of material, and structure.

0 ft. to	4 ft.	Top Soil
4 "	5 "	Hard Pan
5 "	16 "	Sandy Clay
16 "	18 "	Shale
18 "	30 "	Brown Clay
30 "	32 "	Sand
32 "	47 "	Shale
47 "	62 "	Sandy Clay
62 "	75 "	Sand & Gravel, W.B.
75 "	82 "	White Sticky Clay
82 "	105 "	Shale
105 "	127 "	Sandy Clay
127 "	"	Sand, W.B.

ORIGINAL
Section 7076.1, Water Code

FOR OFFICIAL USE ONLY

Work started 6-15 19 56. Completed 6-18 19 56

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME D. HEDMAN & CO.

(Person, firm, or corporation)

(Typed or printed)

Address 2901 - 32nd AvenueSacramento 24, California[SIGNED] Deane H. Hedman
Well-DrillerLicense No. 157824 Dated 7-23 19 56

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 5
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

LOCATION NOT CHECKED

Do Not Fill In

No. 16288

State Well No.

Other Well No. FN/SE-30

(1) OWNER:

Name MRS. J. W. MYERS
Address 2821 Fruitridge Road
Sacramento, California.

(2) LOCATION OF WELL:

County Sacramento Owner's number, if any--
R. F. D. or Street No. 2821 Fruitridge Road
Sacramento, California

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐ Rotary ☐
Irrigation ☐ Test Well ☐ Other ☐ Cable ☒
Dug Well ☐

(5) EQUIPMENT:

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐
From ft. to ft. Diam. Gage of Well
" 0 " 88 " 10 " 12 "
Type and size of shoe or well ring
Describe joint

If gravel packed

Diameter of Bore from to
ft. ft. ft.
" " "
" " "
" " "
" " "

Size of gravel:

(7) PERFORATIONS:

Type of perforator used NONE
Size of perforations in., length, by in.
From ft. to ft. Perf. per row Rows per ft.
" " " " " "
" " " " " "
" " " " " "
" " " " " "

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☒ No To what depth ft.

Were any strata sealed against pollution? ☐ Yes ☒ No If yes, note depth of strata

From ft. to ft.

Method of Sealing Surface cased to 88 Feet.

(9) WATER LEVELS:

Depth at which water was first found 42 ft.
Standing level before perforating ft.
Standing level after perforating 42 ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water: Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 120 ft. Depth of completed well 120 ft.

Formation: Describe by color, character, size of material, and structure.

0 ft. to	24 ft.	Top Soil
24 "	4 "	Hard pan
4 "	16 "	Grey clay
16 "	42 "	Compressed silt
42 "	52 "	Silt free
52 "	56 "	Sand
56 "	86 "	Sand & gravel
86 "	101 "	Frey clay, firm
101 "	103 "	Sand & gravel, tight
103 "	114 "	Brown clay, soft
114 "	120 "	Sand, free

CONFIDENTIAL
Section 7076.1, Water Code

Work started July 6, 19 55. Completed July 9, 19 55

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME KILE BROTHERS

(Person, firm, or corporation)

(Typed or printed)

Address Route 4, Box 3363, Sacramento, Calif.

[SIGNED] Alfred L. Kile
Well Driller

License No. 145684 Dated July 11, 1955

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. _____
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

LOCATION NOT CHECKED

Do Not Fill In

No 16628

State Well No. _____
Other Well No. 21/22-30

(1) OWNER:

Name Martha Madriago
Address 2710 Fruitridge Rd.
Sacramento, Calif.

(2) LOCATION OF WELL:

County Sacramento Owner's number, if any—
R. F. D. or Street No. 2710 Fruitridge Rd.
150' S of Fruitridge Rd.
100' E of W.P. RR

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐
From ft. to ft. Diam. Gage or Wall Diameter of Bore from ft. to ft.
" 0 Ft. 80" 10" 12" "
" " " " " "
" " " " " "
" " " " " "
" " " " " "
Type and size of shoe or well cing 10" Size of gravel:
Describe joint Welded

(7) PERFORATIONS:

Type of perforator used
Size of perforations in., length, by in.
From ft. to ft. Perf. per row Rows per ft.
" " " " " "
" " " " " "
" " " " " "
" " " " " "

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 80 ft.
Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strata
From 35' 0" ft. to 77' 00" ft.
Method of Sealing Welding

(9) WATER LEVELS:

Depth at which water was first found 38 ft.
Standing level before perforating ft.
Standing level after perforating ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 132 Ft. ft. Depth of completed well 130 ' ft.

Formation: Describe by color, character, size of material, and structure.

1	ft. to	3	ft.	Top Soil
3	"	6	"	Hardpan
6	"	35	"	Clay, brown
35	"	62	"	Sand
62	"	77	"	Rocks 1" to 6"
77	"	125	"	Clay, white
125	"	132	"	Sand, hard

CONFIDENTIAL
Section 7076.1, Water Code

Work started 6/28/ 19 54. Completed 7/1/ 19 54

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME E. O. Keables

(Person, firm, or corporation) (Typed or printed)

Address 1700 Glenrose Ave.

N. Sacramento 15, Calif.

[SIGNED] E. O. Keables
Well Driller

License No. 145739 Dated July 19 54

